



Kenjitsu Elite KEPV5000DS
Single phase-220V 5KW

Elite



Single phase Solar inverter
5 years warranty

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KENJITSU



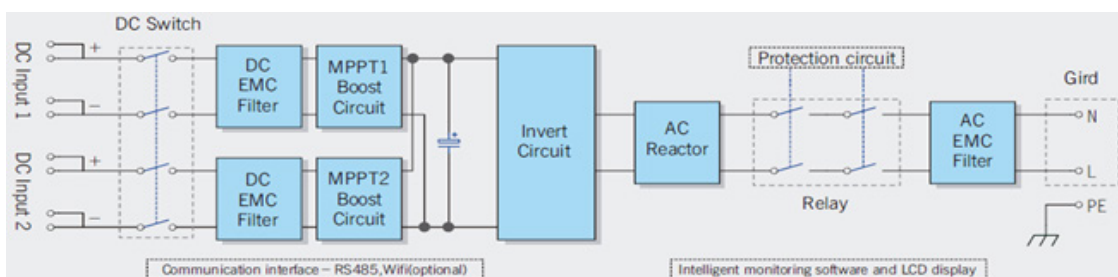
Kenjitsu Elite PV Inverter

Single phase-220V String-type Inverter series is the ideal solution for roof-top solar system solution. With the characteristics of high efficiency and reliability, compact design and easy installation, it is applicable to distribute power generation system.

Features:

- Transformer-less design and Compact in Size
- Harsh IP65 industrial protection.
- Provide Single and Double MPP Trackers for different application demands.
- Firmware is upgradable via RS232 port.
- Parallel up to 50 units via RS485 port
- Comply with latest VDE AR N4105 standard
- MPP efficiency > 99.9%
- Maximum efficiency > 97.5%
- Mimic LCD display
- Versatile Communication Interface options, Standard RS485, RS485/WiFi and Ethernet/WiFi may reach up to your utmost request.

Internal KEPV5000DS Diagram



Inverter Model	KEPV5000DS
Input (DC)	
Max. PV power [W]	5500W
Max. DC voltage [V]	550
Max. input current [A]	15A/ 15A
Number of MPPT trackers /Strings per MPPT tracker	2/2
MPPT voltage range(at rated power) [V]	150-500
Shutdown voltage /Start voltage [V]	70 / 120
Output (AC)	
AC nominal power [W]	5000W
Max. AC power [W]	5100W
Max. AC current [A]	24A
Rated AC voltage/ range (V)	220V(L-N,G) /150-262
AC grid frequency / range [Hz]	60+/-0.5%
Power factor (cosφ), adjustable	0.9 leading..... 0.9 lagging adjustable
Total harmonic distortion (THDi)	<3%
Efficiency	
Max. Efficiency	97.50%
Euro-efficiency	96.50%
MPPT efficiency	99.90%
Protection	
DC Reverse Polarity Protection	Yes
DC Switch for each MPPT	Yes
AC Short Circuit Protection	Yes
Output overvoltage protection- Varistors	Yes
Ground fault monitoring	Yes
Grid Monitoring	Yes
Islanding protection	Yes
General Data	
Dimension W×H×D(mm)	395×637×180
Weight [kg]	23.5
Operating temperature range [°C]	-20~+60(derating above 72°C)
Ingress Protection	IP65
Topology	Transformerless
Internal consumption(night) [W]	<2
Cooling Method	Fan
Noise (typical) [dB]	<35
Communication Interface	RS485 / WIFI(optional)
Alarm	LCD, LED
Monitoring Software	KS Monitor
Parallel UP to how many units	32
Standard Warranty (year)	5
Certification	CE /TUV/G83